105.9 - Biomaterials (solid forms)

Biomaterials are materials that are applied for use in medical devices that require intimate contact with tissues and body fluids.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	Properties
2910a	Calcium Hydroxyapatite	2 g	Calcium Phosphorus Ca/P Molar Ratio
8011	Gold Nanoparticles, Nominal 10nm Diameter	two 5 mL ampoules	Reference Values for Particle Size Information Values for Chemical and Electrochemical Properties
8012	Gold Nanoparticles, Nominal 30nm Diameter	two 5 mL ampoules	Reference Values for Particle Size Information Values for Chemical and Electrochemical Properties
8013	Gold Nanoparticles, Nominal 60nm Diameter	two 5 mL ampoules	Reference Values for Particle Size Information Values for Chemical and Electrochemical Properties
8385	Ultra-High Molecular Weight Polyethylene Wear Particles	5 ml	Reference Particle Size Populations Information Values for Diameter of the Packed Rounded UHMWPE Particles Information Values for Aspect Ratio and Length of the Packed Elongated UHMWPE Particles
8395	Tissue Engineering Reference, Scaffold	1 scaffold	
8396	Tissue Engineering Reference, Scaffold	1 scaffold	
8397	Tissue Engineering Reference, Scaffold	1 scaffold	
8456	Ultra High Molecular Weight Polyethylene	each	Young's Modulus Yield Strength Ultimate Tensile Strength Elongation
8457	Ultra High Molecular Weight Polyethylene	10 cubes x 0.5 cm	Young's Modulus Yield Strength Ultimate Tensile Strength Elongation

Certified values are normal font.
Reference values are italicized.
Values in parentheses are for information only.